Corrigendum to

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Corrigendum

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Corrigendum to "Comparative genomics and pan-genomics of the Myxococcaceae, including a description of five novel species: *Myxococcus eversor* sp. nov., *Myxococcus llanfairpwllgwyngyllgogerychwyrndrobwllllantysiliogogogochensis* sp. nov., *Myxococcus vastator* sp. nov., *Pyxidicoccus caerfyrddinensis* sp. nov. and *Pyxidicoccus trucidator* sp. nov." [Genome Biol. Evol. 12(12) (2020) 2289-2302]

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In the species descriptions of the species *Myxococcus llanfairpwllgwyngyllgogerychwyrndrobwllllantysiliogogogochensis* sp. nov., *Myxococcus vastator* sp. nov., and *Pyxidicoccus caerfyrddinensis* sp. nov. the acronyms of the culture collections to which the type strains were deposited contained typographic errors. The corrected species descriptions are provided below:

SPECIES DESCRIPTIONS

Myxococcus llanfairpwllgwyngyllgogerychwyrndrobwllllantysiliogogogochensis sp. nov.

Myxococcus llanfairpwllgwyngyllgogerychwyrndrobwllllantysiliogogogochensis, (llan.fair.pwll.gwyn.gyll.gog.er.ych.wyrn.dro.bwllll.ant.ysil.iog.ogogoch.en'sis. N.L. masc. adj. llanfairpwllgwyngyllgogerychwyrndrobwllllantysiliogogogochensis, pertaining to llanfairpwllgwyngyllgogerychwyrndrobwllllantysiliogogogoch, reflecting its isolation from soil collected in that parish [gridref 53.22°N 4.19°W]).

Vegetative cells are Gram-negative bacilli tapering slightly at the ends, measuring 0.4-0.6 μm x 4.0-7.0 μm in electron micrographs. Colonies exhibit swarming motility and appear pale brown on VY-2 agar (w/v 0.5% dried baker's yeast, 0.1% $CaCl_2.2H_2O$, 1.5% agar). Fruiting bodies are irregular spheroids, orange in colour. Aerobic growth was observed at 30 °C and 35 °C, and at pH 5.0-9.0. Growth was unaffected by the addition of 1-4% NaCl. Hydrolyses esculin, gelatine, p-nitrophenyl-β-D galactopyranoside and urea. Assimilates N-acetyl-glucosamine, adipate, arabinose, glucose, malate, maltose, mannitol, mannose and phenyl acetate. Cells prey with low efficiency upon *Escherichia coli* TOP10, *Clavibacter nebraskensis* DSM 7483 and *Ustilago maydis*. DNA GC content is 68.7 mol%. The draft genome sequence of AM401^T is available from GenBank (Accession VIFM00000000). The type strain (AM401^T = NBRC 114351^T = NCCB 100770^T) was isolated from soil collected in the parish of Llanfairpwllgwyngyllgogerychwyrndrobwllllantysiliogogogoch, United Kingdom [gridref 53.22°N 4.19°W].

Myxococcus vastator sp. nov.

Myxococcus vastator (vas.ta'tor L. masc. n. *vastator* the ravager, after its ability to devastate colonies of prey cells).

Vegetative cells are Gram-negative bacilli tapering slightly at the ends, measuring 0.6-0.7 μm x 3.0-6.0 μm in electron micrographs. Colonies exhibit swarming motility and appear pale brown on VY-2 agar (w/v 0.5 % dried baker's yeast, 0.1% $CaCl_2.2H_2O$, 1.5 % agar). Fruiting bodies are irregular spheroids, orange in colour. Aerobic growth was observed at 30 °C,

and at pH 8.0-9.0. Growth was unaffected by the addition of 1 % NaCl. Hydrolyses arginine and urea. Assimilates malate. Cells prey with low efficiency upon *Escherichia coli* TOP10, *Clavibacter nebraskensis* DSM 7483 and *Ustilago maydis* DSM 14603.

DNA GC content is 69.9 mol%. The draft genome sequence of AM301^T is available from GenBank (Accession JAAIYB000000000). The type strain (AM301^T = NCCB 100768^T = NBRC 114352^T) was isolated from soil collected in the parish of Llanfairpwllgwyngyllgogerychwyrndrobwllllantysiliogogogoch, United Kingdom [gridref 53.22°N 4.19°W].

Pyxidicoccus caerfyrddinensis sp. nov.

Pyxidicoccus caerfyrddinensis (caer.fyrdd.in.en'sis N.L. masc. adj. *caerfyrddinensis* from Caerfyrddin, reflecting its isolation from soil sampled near Carmarthen (the Anglicised name for Caerfyrddin), Wales [51.86°N 4.31°W]).

Vegetative cells are Gram-negative bacilli tapering slightly at the ends, measuring 0.7-0.8 μm x 3.0-8.0 μm in electron micrographs. Colonies exhibit swarming motility and appear pale brown on VY-2 agar (w/v 0.5 % dried baker's yeast, 0.1% $CaCl_2.2H_2O$, 1.5 % agar). Fruiting bodies are irregular spheroids, orange in colour. Aerobic growth was observed at 30-40 °C, and at pH 6.0-9.0. Growth was unaffected by the addition of 1-3 % NaCl. Hydrolyses arginine, esculin, gelatine, p-nitrophenyl-β-D galactopyranoside and urea. Cells prey efficiently on *Clavibacter nebraskensis* DSM 7483, and with low efficiency upon *Escherichia coli* TOP10 and *Ustilago maydis* DSM 14603.

DNA GC content is 70.2 mol%. The draft genome sequence of CA032A^T is available from GenBank (Accession JAAIYA000000000). The type strain (CA032A^T = NCCB 100776^T = NBRC 114353^T) was isolated from soil collected in Carmarthen, United Kingdom [gridref 51.86°N 4.31°W].